LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LB28 115693 (S/N 115653) - Diesel Engine

Sample No: LH0151087

Oil Type: PETRO CANADA SUPREME 5W30





ESEL Excavation and Shoring Equipment Ltd. 2208 hartley ave COQUITLAM, BC

COQUITLAM, BO

Contact: Scott MacPherson scottm@matcon.com
T: (604)813-8520

F:

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

WEAR METALS								
Iron	ppm	13	O 13	O 11				
Copper	ppm	8	140	O 178				
Lead	ppm	 <1	o 5	6				
Tin	ppm	○ <1	O <1	O <1				
Aluminum	ppm	4	4	O 2				
Chromium	ppm	() <1	O <1	O <1				
Molybdenum	ppm	55	6 3	43				
Nickel	ppm	0	O 0	O 0				
Titanium	ppm	0	0	<1				
Silver	ppm	() <1	<1	<1				
Manganese	ppm	0	<1	<1				
Vanadium	ppm	0	0	0				

ADDI	TIVES				
Calcium	ppm	882	904	O 1341	
Magnesium	ppm	1095	1194	949	
Zinc	ppm	1194	1193	O 874	
Phosphorus	ppm	998	1010	757	
Barium	ppm	0 <1	O 1	0 8	
Boron	ppm	27	27	O 77	

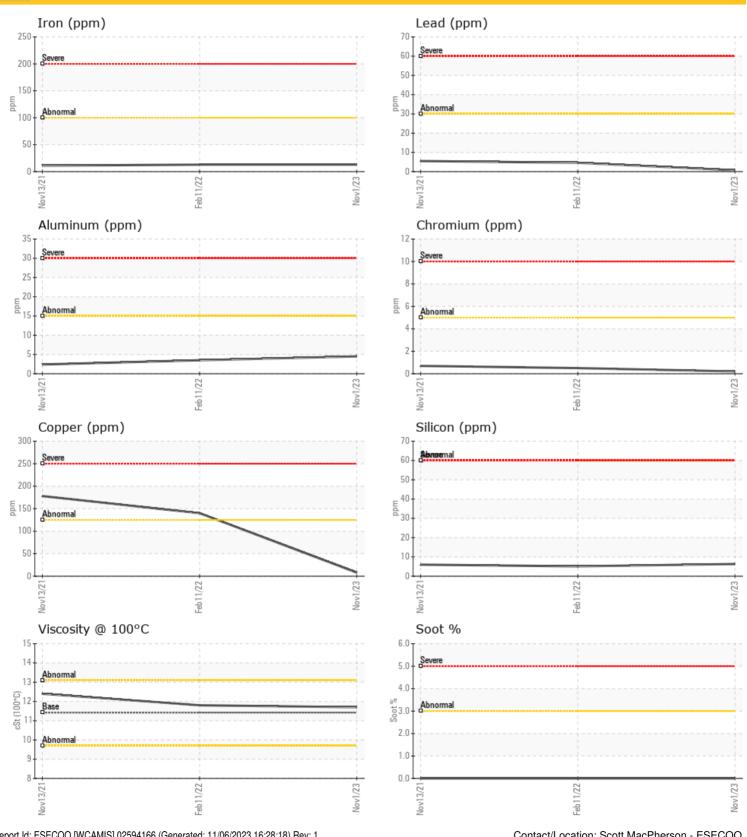
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GRAPHS



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Contact/Location: Scott MacPherson - ESECOQ